

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby appoint:

☒ Practitioners associated with the Customer Number:

45970

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with the patents and patent applications assigned only to the undersigned according to the USPTO assignment records as shown on the Statements Under 37 CFR 3.73(b) attached.

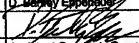
Assignee Name and Address:

Microsoft Corporation

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Name	D. Bentley Eppendauer		
Signature		Date	8-2-04
Title	Assistant Corporate Secretary	Telephone	425-703-0645

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Wang et al.Application No./Patent No.: 7,263,224 Filed/Issue Date: August 28, 2007Entitled: STROKES LOCALIZATION BY M-ARRAY DECODING AND FAST IMAGE MATCHINGMicrosoft Corporation, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
(The extent (by percentage) of its ownership interest is _____ %)

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015289, Frame 0354, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Maurice J. Piro
Signature5-2-08
DateMaurice J. Piro
Printed or Typed Name(206) 359-8000
Telephone NumberAttorney for Assignee
Title

PATENTS ONLY

Tab settings ⇌ ⇌ ⇌

To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jian Wang
Yinghong Dang
Qiang Wang
Liyong Chen
Xiaoxu Ma

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Microsoft Corporation

Internal Address: _____

Street Address: One Microsoft Way

City: Redmond State: WA Zip: 98052

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: January 14, 2004 and January 15, 2004
and February 12, 2004

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
10/759,357

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Kenneth F. Smolik

Internal Address: Banner & Witcoff, Ltd.

Street Address: 10 South Wacker Drive

Suite 3000

City: Chicago State: IL Zip: 60608

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

19-0733

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kenneth F. Smolik

Name of Person Signing

Kenneth F. Smolik

Signature

May 3, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 1

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment, Recordation Services, Director of the US Patent and Trademark Office

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventorship Wang et al.
Applicant Microsoft Corporation
Attorney's Docket No. 003797.00627
MS Docket No. MS# 305971.01
Title: STROKES LOCALIZATION BY m-ARRAY DECODING AND FAST IMAGE
MATCHING

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Jian Wang
Microsoft Research Asia
5F, Beijing Sigma Center
No. 49, Zhichun Road, Haidian District
Beijing 100083, P.R. China

Yingnong Dang
Microsoft Research Asia
5F, Beijing Sigma Center
No. 49, Zhichun Road, Haidian District
Beijing 100080, P.R. China

Qiang Wang
Microsoft Research Asia
5F, Beijing Sigma Center
No. 49, Zhichun Road, Haidian District
Beijing 100080, P.R. China

Liyong Chen
Microsoft Research Asia
5F, Beijing Sigma Center
No. 49, Zhichun Road, Haidian District
Beijing 100080, P.R. China

Xiaoxu Ma
550 Memorial Drive, Apt. 15D1
Cambridge, MA 02139

Assignee:

Microsoft Corporation
Corporation in the State of Washington
One Microsoft Way
Redmond, WA 98052

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "STROKES LOCALIZATION BY m-ARRAY DECODING AND FAST IMAGE MATCHING," as described and claimed in the specification forming part of an application for United States letters patent referenced above, which application was executed by said assignor(s) on the same date appearing next to the signature of said assignor(s) appearing below;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

2004/2/12
Date: _____

Date: _____

Date: _____

Date: _____

Date: _____

Jian Wang
Jian Wang

Yingnong Dang
Yingnong Dang

Qiang Wang
Qiang Wang

Liyong Chen
Liyong Chen

Xiaoxu Ma
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Date:

Jan 15, 2004

Date

Jan 15, 2004

Date

Jan 15, 2004

Date

Date

Jian Wang

Dang Yingnong

Yingnong Dang

Qiang Wang

Qiang Wang

Liyong Chen

Liyong Chen

Xiaoxu Ma

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Date:

Jian Wang

Date

Yingmang Dang

Date

Qiang Wang

Date

Liyong Chen

Date

Xiaoxu Ma

Jan. 14, 2004

Xiaoxu Ma